FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: December 23, 1994 Date Received: December 19, 1994

Project: Metro Self Monitor, PO #M37798 Date Samples Extracted: December 22, 1994 Date Extracts Analyzed: December 22, 1994

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR CHROMIUM, COPPER, NICKEL, ZINC Samples Processed Using Method 3005

Results Reported as mg/L (ppm)

Sample ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M37798	0.58	0.34	0.37	0.11
Quality Assurance				
Blank	<0.05	<0.05	<0.05	<0.05
M37798 (Duplicate)	0.56	0.32	0.36	0.05
M37798 (Matrix Spike) % Recovery	92%	94%	90%	93%
M37798 (Matrix Spike Duplicate) % Recovery	90%	95%	86%	83%
Spike Blank % Recovery	101%	100%	98%	97%
Spike Level	5	5	10	5

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

SAMPLE CHAIN OF CUSTODY

12. BtB AI 12-19-94 2:54

Send Report To: Alaskan Copper Works Contact GERALD Thompson							
Address 620 HA	NYURC ST	98134					
City, State, Zip SeATT. Phone # (206) 67	3-5800 X	78134 379	Date	12-15-84	,		
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7238			N/A	m 37			
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Sample #	Date/Time Sampled	Type of Sample	# of Lab Jars Sample		Analyses Requested	· · · · · · · · · · · · · · · · · · ·	
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		34					
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Received by:							

FORMS/COC

09/19/94

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282

DUPLICATE COPY

3012 16th Avenue West Seattle, WA 98119-2029 FAX: (206) 283-5044

December 23, 1994

INVOICE # 94ACU1223-1

Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO #M37798: Results of testing requested by Gerald Thompson, Project Leader for material submitted on December 19, 1994.

1 water sample analyzed for Chromium,	Copper,	
Nickel and Zinc @ \$65 per sample		\$ 65.00
Amount Due		\$ 65.00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3012 16th Avenue West Seattle, WA 98119-2029 FAX: (206) 283-5044

December 23, 1994

Gerald Thompson, Project Leader Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on December 19, 1994 from your Metro Self Monitor project, PO #M37798.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Bradley T. Benson

Chemist

jdp

Enclosures

ACU1223R